KAMROO VALVES

GAS APPLICATON
BALL VALVES

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KAMROO卡麦隆

Smart-tech Makes
Fully Welded Intelligence

Founded in 2012, KAMROO Holding Group is an innovative integrator focusing on “smart” manufacturing of valves. The core products are suitable for aggressive working applications such as low temperature, high temperature and high pressure, strong corrosion, and solids mixed media. They are suitable for industries such as petroleum, chemical industry, natural gas, electric power, thermal power, metallurgy, electronics, and new energy. The matching standards cover many industrial pipelines fields.

KAMROO strives to create an automation, digital, and intelligent platform, integrates profound technical accumulation and professional wisdom of the team, and provides superior product support and technical services for domestic and international clients, as well as provide customized solutions for end user.

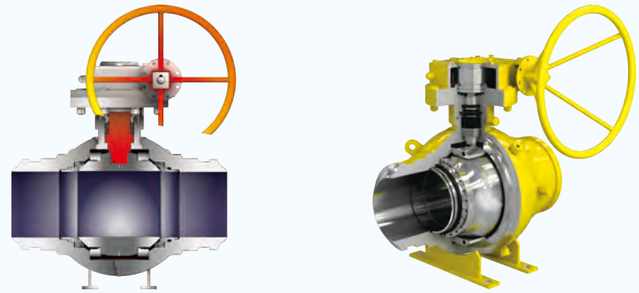
KAMROO adheres to customer–oriented and guarantees system compatibility. We will continue to maintain the attitude and belief of concentration and ingenuity, adhering to safer, more reliable and smarter pipeline flow control technology and advanced design concepts to help you optimize working application, improve efficiency and save costs.

With a flexible and open attitude, KAMROO listens to the voice of the market, embraces multiculturalism, focuses on the construction of a global service system, and strives to become the preferred partner in the field of flow control. No matter where you are in the world, we look forward to keeping in close contact with you to understand your specific needs and provide precise services.

GAS APPLICATON
WELDED BALL VALVES

Design standard: API6D, ASME B16.34 End connection BW/BW
ASME B16.25
Face to face dimension: API6D, ASME B16.10
Test and inspection: API6D, API598, ASME B16.34
Size range: NPS2～48(DN50～DN1200mm)
Pressure range: CLASS150～CLASS2500 (PN1.6~PN42.0MPa)
Working temperature: -29℃-+200℃
Operation: NPS2～NPS4(DN50～100) wrench operated, NPS6～NPS48 (DN150～DN1200mm) gear operated.
Operation options: Gear, Motor, Pneumatic, Gas over oil etc. Gear will be supplied with horizontal operation generally.
End connection BW dimensions could be designed according to clients' requirements.

G fully welded ball valve



T fully welded ball valve

Structure Specialty

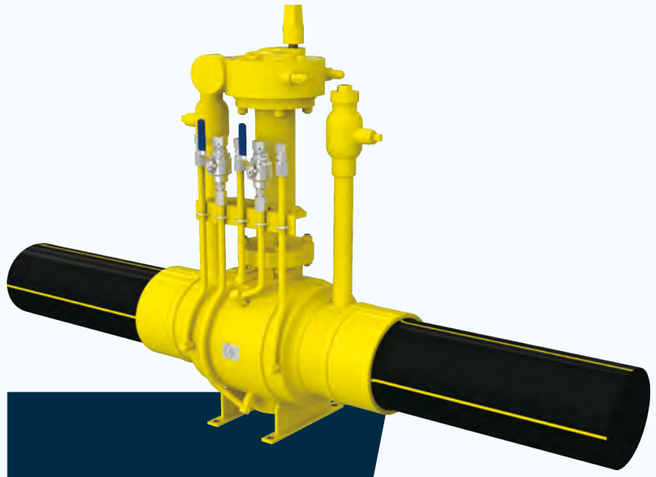
G fully welded ball valves are designed with 2PC side entry structure.
T fully welded ball valves are designed with 3PC side entry structure.
Valves are designed with forged steel trunion mounted, floating seat, PMSS
(Primary metal seat and secondary soft seat, secondary soft seat material could be VITON-AED, DEVLON, PEEK) or metal to metal seat.
Balls are fixed by internal mounting plate.
Fire proof design follows standards API 607 or BS6755
Seat structure could be DBB, DIB or DBB-DIB.
Mounting pad for actuators follows standard ISO5211
Body are welded by typical narrow-gap multi-layer submerged arc welding
Welding seams are inspected by 100% UT and hardness test.
Shell strength, trim loading conditions, operation torque are simulated by finite element analysis software to optimize somewhere goes wrong easily. It ensures valves work very well.

Application

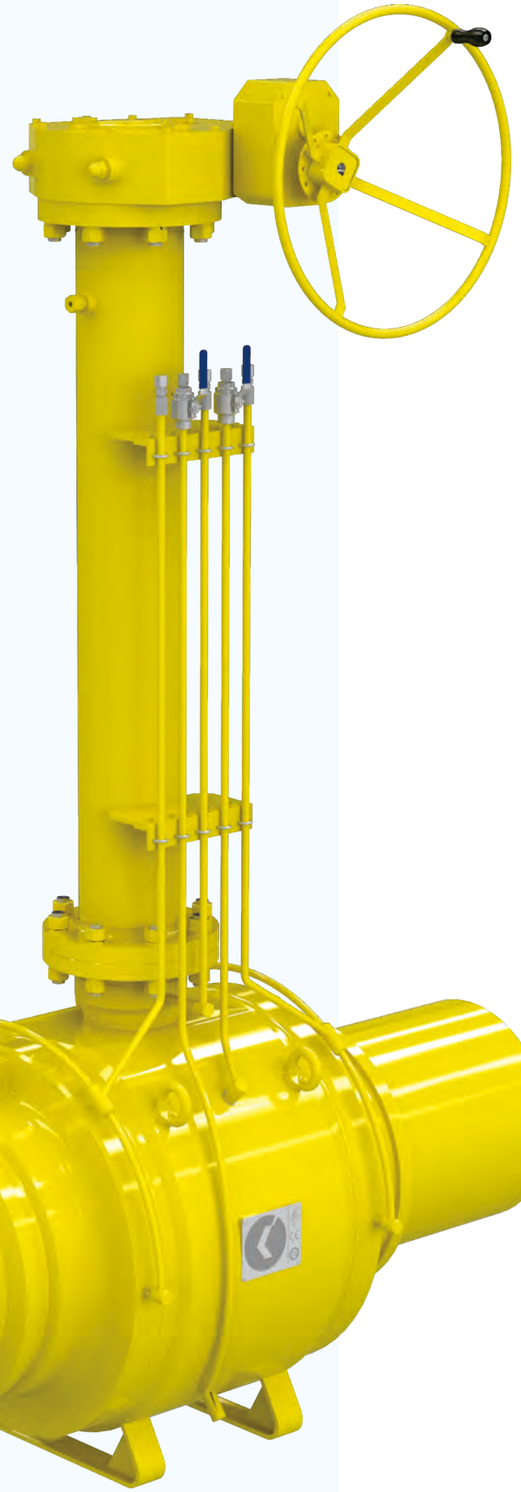
Oil, Natural gas industry

Material specification

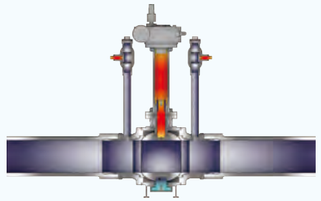
Body: A105, A350 LF2, A182F304 or equivalent.
Stem: ANSI 4140+ENP, A182 F304 or equivalent.
Ball: A105N+ENP, A350 LF2+ENP, A182F304 or equivalent.
Stem sealing material: VITON-AED
Stem bush bearing: 304+PTFE, 316+PTFE
Seating face: Metal+VITON-AED



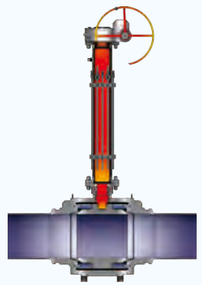
GAS APPLICATON
WELDED BALL VALVES



PE end T fully welded
ball valve



Underground T fully welded
ball valve



PE end T fully welded ball valve:

Design standard: GB/T19627;
Test and inspection: GB/T19627
Size range: DN50~DN800 mm
Pressure range: PN1.6~PN4.0 Mpa
Working temperature: -29℃~+100℃
Operation: Gear operated generally

T fully welded ball valve with extended stem:

Design standard: API6D, ASME B16.34 End connection BW/BW
ASME B16.25
Face to face dimension: API6D, ASME616.10
Test and inspection: API6D, API598
Size range: NPS2~48 (DN50~DN1200 mm)
Pressure range: Class150~Class2500 (PN1.6~PN42 Mpa)
Working temperature: -29℃~+200℃
Operation: NPS2~NPS4 (DN50~DN100 mm) wrench operated
NPS6~NPS48 (DN150~DN1200 mm) gear operated

Operation: Gear, Pneumatic, Motor, Gas over oil etc. Gear will be supplied with horizontal operation generally.
End connection BW dimensions could be designed according to clients' requirements.

Structure Specialty

T fully welded ball valve are designed by 3PC side entry structure.
Valves are designed by forged steel trunion mounted, floating seat, PMSS
(Primary metal seat and secondary soft seat, secondary soft seat material could be VITON-AED, DEVLON, PEEK) or metal to metal seat.
Balls are fixed by internal mounting plate.
Fire proof design follows standards API 607 or BS6755
Valves have function of static proof; stem blew out proof; emergency sealant injection.
Seat structure could be DBB, DIB or DBB-DIB.
Mounting pad for actuators follows standard ISO5211
Body are welded by typical narrow-gap multi-layer submerged arc welding
Welding seams are inspected by 100% UT and hardness test.
Shell strength, trim loading conditions, operation torque are simulated by finite element analysis software to optimize somewhere goes wrong easily. It ensures valves work very well.

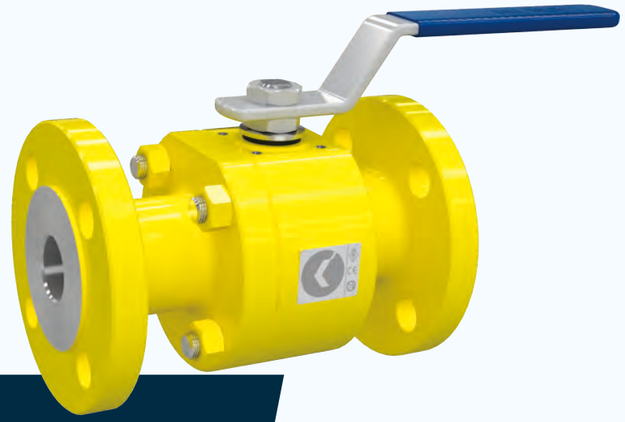
Valves are coated corrosion resistant asphalt, polyurethane or epoxy resins which are suitable for underground installation.

Application

Oil, Natural gas industry

Material specification

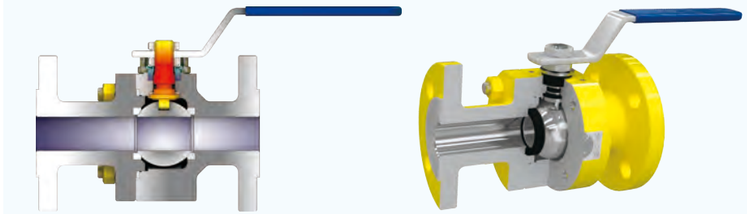
Body: A105, A350 LF2, A182F304 or equivalent.
Stem: ANSI 4140+ENP, A182 F304 or equivalent.
Ball: A105N+ENP, A350 LF2+ENP, A182F304 or equivalent.
Stem sealing material: VITON-AED
Stem bush bearing: 304+PTFE, 316+PTFE
Seating face: Metal+VITON-AED



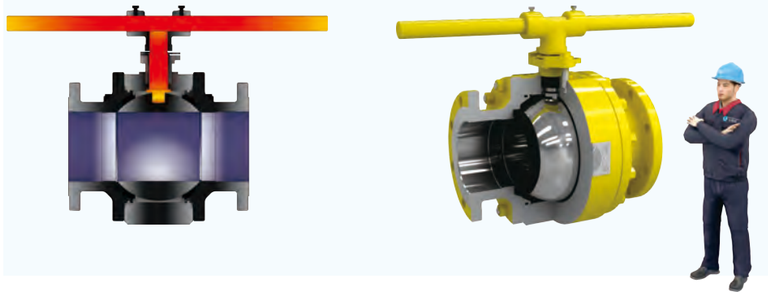
GAS APPLICATON
FLOATING BALL VALVES

Design standard: API6D, BS5351
End connection: ASME B16.5, ASME B16.25
Face to face dimension: API6D、 ASME B16.10
Test and inspection: API6D、 API598
Size range: NPS1/2～6(DN15～DN150mm)
Pressure range: CLASS150～CLASS600 (PN1 .6–PN10.0MPa)
Working temperature: -29℃~+200℃
Operation: DN15～150 wrench operated, DN100～DN150mm gear operated.
Operation: Gear, Pneumatic, Motor, Gas over oil etc. Gear will be supplied with horizontal operation generally.
End connection flange dimensions could be designed according to clients' requirements.

2PC bolted body forged steel floating ball valve



3PC bolted body forged steel floating ball valve



Structure Specialty

2PC/3PC, forged steel, floating type, soft seat /metal seat.
Full bore, fire proof, stem blow out proof, locking device, elastic sealing ring.
Mounting pad for actuators follows standard ISO5211
Stem extension: Underground valves' stem could be extended according to data offered by customer.
Cryogenic valves' stem has to be extended to increase distance between body and packing, to prevent influence of packing by low temperature.

Application

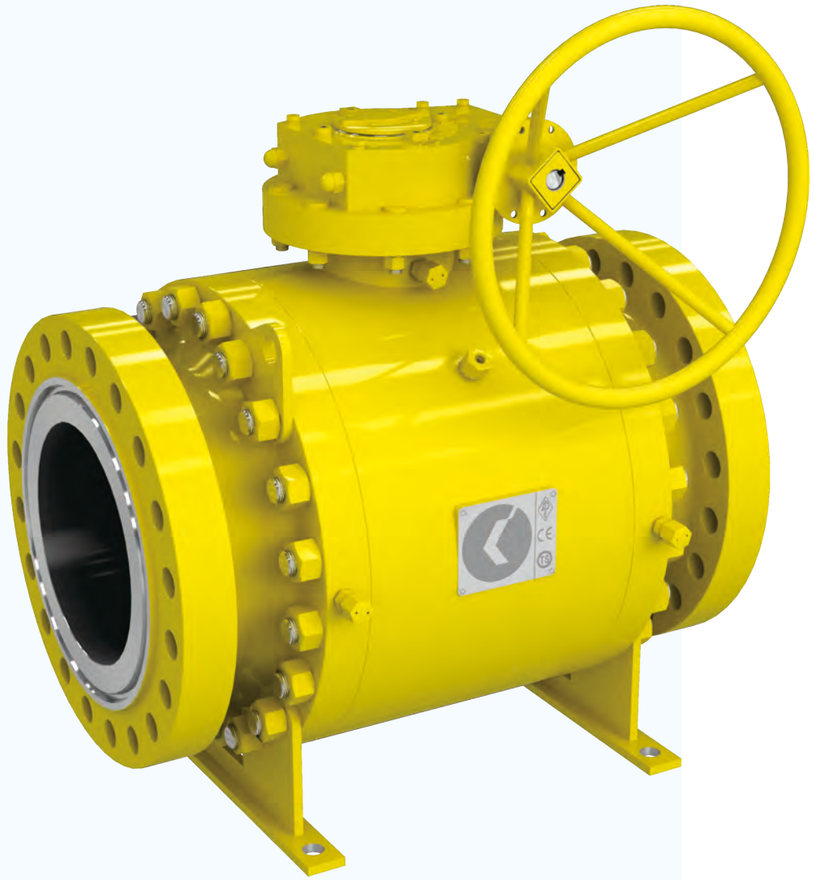
Natural gas, urban gas, oil industry.Mounting pad for actuators follows standard ISO5211

Material specification

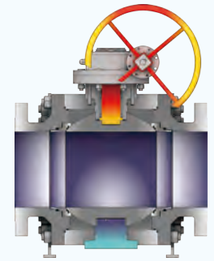
Body: A105, A350 LF2, A182F304 or equivalent.
Stem: A182 F304 or equivalent.
Ball: A105N+ENP, A350 LF2+ENP, A182F304 or equivalent.
Stem sealing material: VITON, PTFE
Stem bush bearing: 304+PTFE, 316+PTFE
Seating face: RPTFE

GAS APPLICATON
TRUNION BALL VALVES

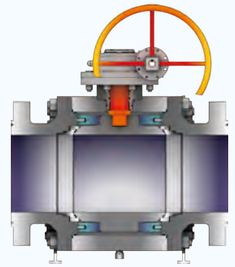
Design standard: API6D, ASME B16.34
End connection: ASME B16.5/ ASME B16.47, ASME B16.25
Face to face dimension: API6D, ASME B16.10
Test and inspection: API6D, API598
Size range: NPS2～48(DN50～DN1200mm)
Pressure range: CLASS150～CLASS2500 (PN1 .6~PN42.0MPa)
Working temperature: -29℃~+200℃
Operation: NPS2～NPS4(DN50～100) wrench operated,
NPS6～NPS48 (DN150～DN1200mm) gear operated.
Operation: Motor, Pneumatic, Motor, Gas over oil etc. Gear will be supplied with horizontal operation generally.
End connection BW dimensions could be designed according to clients' requirements.



3PC forged steel bolted body trunnion ball valve



3PC forged steel bolted body trunnion ball valve



Structure Specialty

Forged steel bolted body trunion ball valve are designed by 3PC side entry structure, trunion mounted, floating seat, PMSS (primary metal seat and secondary soft seat, secondary soft seat material could be VITON-AED, DEVLON, PEEK) or metal to metal seat.
Balls are fixed by internal mounting plate.
Fire proof design follows standards API 607 or BS6755
Valves have function of static proof, stem blew out proof, emergency sealant injection.
Seat structure could be DBB, DIB or DBB-DIB.
Shell strength, trim loading conditions, operation torque are simulated by finite element analysis software to optimize somewhere goes wrong easily. It ensures valves work very well.

Application

Natural gas, urban gas, oil industry

Material specification

Body: A105, A350 LF2, A182F304 or equivalent.
Stem: ANSI 4140+ENP, A182 F304 or equivalent.
Ball: A105N+ENP, A350 LF2+ENP, A182F304 or equivalent.
Stem sealing material: VITON-AED
Stem bush bearing: 304+PTFE, 316+PTFE
Seating face: Metal+VITON-AED